



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |   |            |  |   |                                  |   |            |   |
|--|---|---|------------|--|---|----------------------------------|---|------------|---|
| Course Title                                     |   | Anatomy   |            |  |   |                                  |   |            |   |
| Course Code                                      |   | TIP130  |            | Course Level                                 |   | Short Cycle (Associate's Degree) |   |            |   |
| ECTS Credit                                      | 3 | Workload  | 76 (Hours) | Theory                                       | 2 | Practice                         | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | In the anatomy class; With the anatomical features of the structure and organs forming the systems with the basic structure of the body to gain knowledge and skills.   |            |  |   |                                  |   |            |   |
| Course Content                                   |   | Basic terms and concepts of anatomy, structure and types of cell, skeletal system, muscle system, blood and fluid-electrolytes, anatomical features of the heart and vascular structures, upper and lower respiratory tract anatomical anatomical structures of the nervous system, sensory organs, pituitary gland and other endocrine system structures, Pituitary gland and other endocrine system structures, Digestive tract organs and digestive organs Structures of glands, Urogenital system and structures of male and female reproductive system |            |  |   |                                  |   |            |   |
| Work Placement                                   |   | N/A   |            |  |   |                                  |   |            |   |
| Planned Learning Activities and Teaching Methods |   |   |            | Explanation (Presentation), Individual Study |   |                                  |   |            |   |
| Name of Lecturer(s)                              |   |   |            |  |   |                                  |   |            |   |

### Prerequisites & Co-requisites

|                   |       |
|-------------------|-------|
| Equivalent Course | AN103 |
|-------------------|-------|

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 40             |
| Final Examination   | 1        | 60             |

### Recommended or Required Reading

|   |  |
|---|--|
| 1 | Başaloğlu H., Human Anatomy, AYDIN, Emre digital ve offset printing center, 2009.                |
| 2 | Başaloğlu H., for Anatomy Health Schools, AYDIN, ADNAN MENDERES, UNIVERSITY, 1999                |
| 3 | Başaloğlu H. , Temel Nöroanatomi ve Beş Duyu , Aydın , Emre Dijital & Ofset Baskı Merkezi , 2008 |

| Week | Weekly Detailed Course Contents |   |
|------|---------------------------------|---|
| 1    | Theoretical                     | Basic terms and concepts related to anatomy                             |
| 2    | Theoretical                     | Cell structure and types  |
| 3    | Theoretical                     | Skeletal System   |
| 4    | Theoretical                     | Musculature   |
| 5    | Theoretical                     | Blood and liquid-electrolytes   |
| 6    | Theoretical                     | Anatomical features of the heart and vascular structures                |
| 7    | Theoretical                     | Anatomical structures of upper and lower respiratory tract              |
| 8    | Intermediate Exam               | Urogenital system and structures of male and female reproductive system |
| 9    | Theoretical                     | Thorax and breast structure   |
| 10   | Theoretical                     | Anatomical structures of central nervous system                         |
| 11   | Theoretical                     | Anatomical structures of the peripheral nervous system                  |
| 12   | Theoretical                     | Sense organs  |
| 13   | Theoretical                     | Pituitary gland and other endocrine system structures                   |
| 14   | Theoretical                     | Digestive tract organs and structures of digestive organs and glands    |

### Workload Calculation

| Activity            | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory    | 14       | 2           | 3        | 70             |
| Midterm Examination | 1        | 2           | 1        | 3              |



|   |   |   |   |    |
|---|---|---|---|----|
| Final Examination                       | 1 | 2 | 1 | 3  |
| Total Workload (Hours)                  |   |   |   | 76 |
| [Total Workload (Hours) / 25*] = ECTS   |   |   |   | 3  |
| *25 hour workload is accepted as 1 ECTS |   |   |   |    |

### Learning Outcomes

|   |  |
|---|--|
| 1 | To distinguish the basic structure of the human body   |
| 2 | To distinguish the anatomical structure of the musculoskeletal system                              |
| 3 | To distinguish the anatomical structure of the circulatory system, respiratory system and thorax   |
| 4 | To distinguish the anatomical structure of the nervous system, endocrine system and sensory organs |
| 5 | To distinguish the anatomical structure of the digestive system and urogenital system              |

### Programme Outcomes (Medical Imaging Techniques)

|    |  |
|----|--|
| 1  | THE ANATOMICAL STRUCTURE   |
| 2  | HUMAN PHYSIOLOGY   |
| 3  | APPLY FIRST AID FOR PATIENTS OR INJURIES   |
| 4  | MAKING RADIOGRAPHY AND FILM BATHROOM, PRINTING PROCESSES   |
| 5  | MAKING FLOROSCOPIC IMAGING   |
| 6  | MAKING THE MAMOGRAPHY TEST   |
| 7  | DOING ANGIOGRAPHY  |
| 8  | MAKING MAGNETIC RESONANCE IMAGING (MRI)  |
| 9  | MAKING COMPUTERIZED TOMOGRAPHY (CT) ANALYSIS   |
| 10 | DOING THE BONE MINERAL DANCEITOMETER (DEXA)  |
| 11 | ULTRASONOGRAPHY (USG) KNOWING SHOOTING METHODS   |
| 12 | GAMA CAMERA IMAGING  |
| 13 | RADIOTHERAPY SIMULATION AND APPLICATION  |
| 14 | RADIATION SAFETY AND RADIATION PROTECTION  |
| 15 | MAKING BUSINESS ORGANIZATION AND PROVIDING PROFESSIONAL DEVELOPMENT  |
| 16 | KEEPING RADIOLOGICAL ANATOMY   |
| 17 | KEEPING MEDICAL TERMS  |
| 18 | To be able to use modern Turkish language knowledge and language skills.   |
| 19 | To have knowledge about Atatürk's Principles and Revolution History  |
| 20 | To communicate at a basic level in a foreign language  |
| 21 | Knows cancer and its types. Know what needs to be done to prevent cancer   |
| 22 | To increase student's awareness of gender equality   |
| 23 | To have information about clinical biochemistry  |
| 24 | Knows the structure of proteins, carbohydrates and fats  |
| 25 | To know family planning methods  |
| 26 | To obey occupational ethic principals  |
| 27 | To know occupational ethics  |
| 28 | Understand the importance of teamwork  |
| 29 | The organizational chart of the institution will be able to understand.  |
| 30 | Will understand the importance of record keeping.  |
| 31 | To know the ethical dilemmas in health   |
| 32 | TTTo gain educational and exploratory knowledge about control and protection against infectious diseases             |
| 33 | To evaluate the general condition of the patient or the injured to take the initiative                               |
| 34 | To know the indications and contraindications of contrast agents   |
| 35 | To be able to use and maintain the right communication skills with patients and relatives                            |
| 36 | To be able to communicate with colleagues, patient and patient relatives at therapeutic level                        |
| 37 | To evaluate the behavior of patients and their relatives   |
| 39 | To have general information about health system  |
| 40 | To learn the rights and obligations of health workers  |
| 41 | Ability to gain theoretical knowledge about disaster recovery  |
| 42 | To gain practical knowledge about disaster recovery and to be able to use them in accordance with ethical principles |



|    |  |
|----|--|
| 43 | To be able to explain the concepts related to substance abuse  |
| 44 | Identify the needs of individuals with substance addiction   |
| 45 | Working organization   |
| 46 | Prepare promotional material with ready template   |
| 47 | To be able to prepare personal web site  |
| 48 | Knows pharmacological agents. know how to apply the drugs according to the indications and contraindications |
| 49 | To have knowledge about the effects of radiation on environment and human health.                            |
| 50 | Knows the concepts of quality standards, quality, standardization, standards and accreditation in health.    |
| 51 | To know the rules of ergonomics  |
| 52 | To learn the rules of behavior in social and business life   |
| 53 | Ensuring the development of social sensitivity levels  |
| 54 | To use their personal knowledge, skills and experiences for the benefit of the society as a team             |
| 55 | Will be able to apply the basic tasks to use the operating system  |
| 56 | Demonstrate behavior by understanding the information given about health.                                    |
| 57 | Know the learning and teaching methods   |
| 58 | Will have the ability to prepare educational material and conduct effective training.                        |

**Contribution of Learning Outcomes to Programme Outcomes** 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|    | L1 | L2 | L3 | L4 | L5 |
|----|----|----|----|----|----|
| P1 | 5  | 5  | 5  | 5  | 5  |

